This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

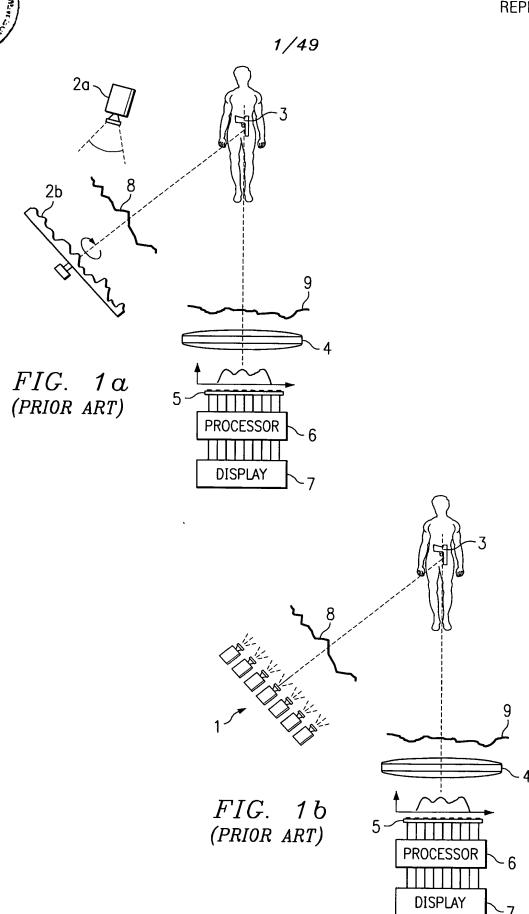
Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

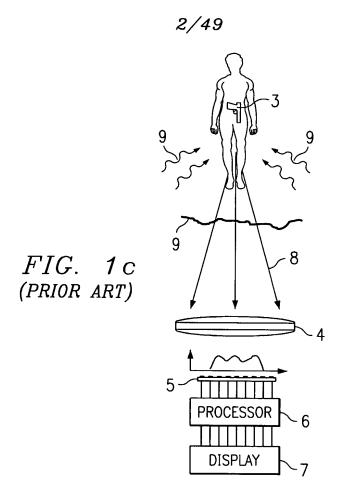
IMAGES ARE BEST AVAILABLE COPY.

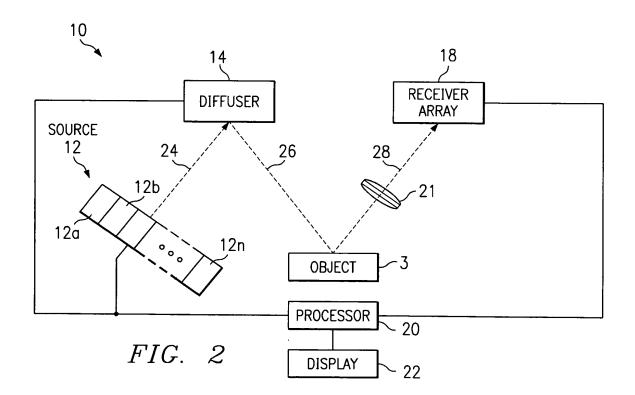
As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

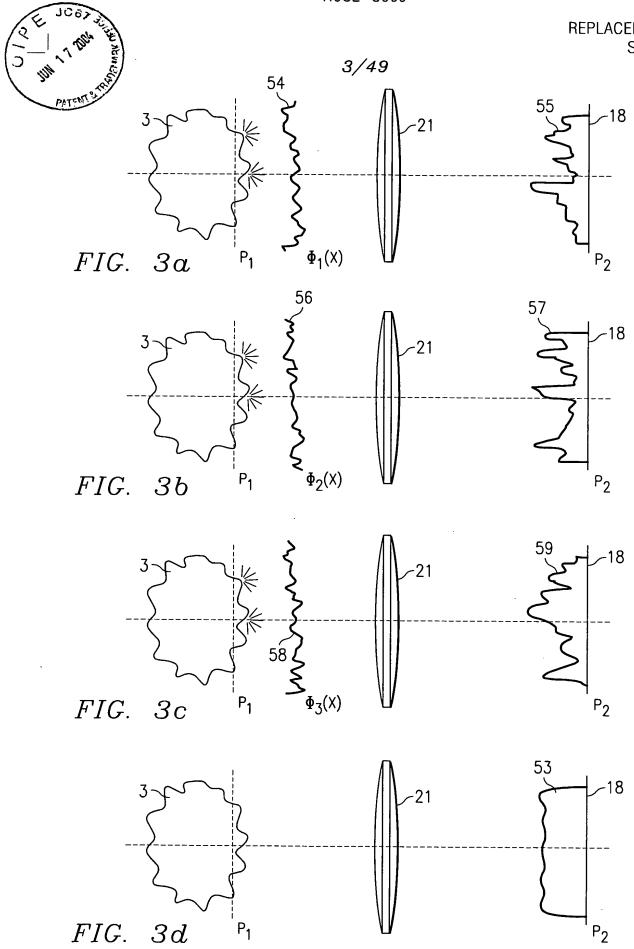


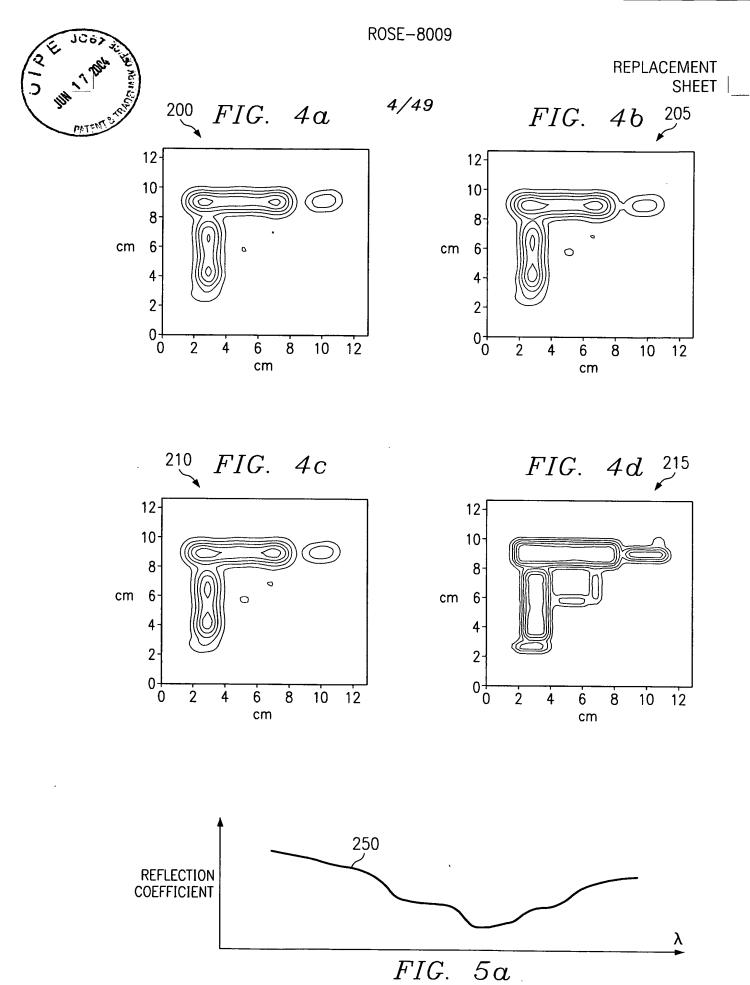


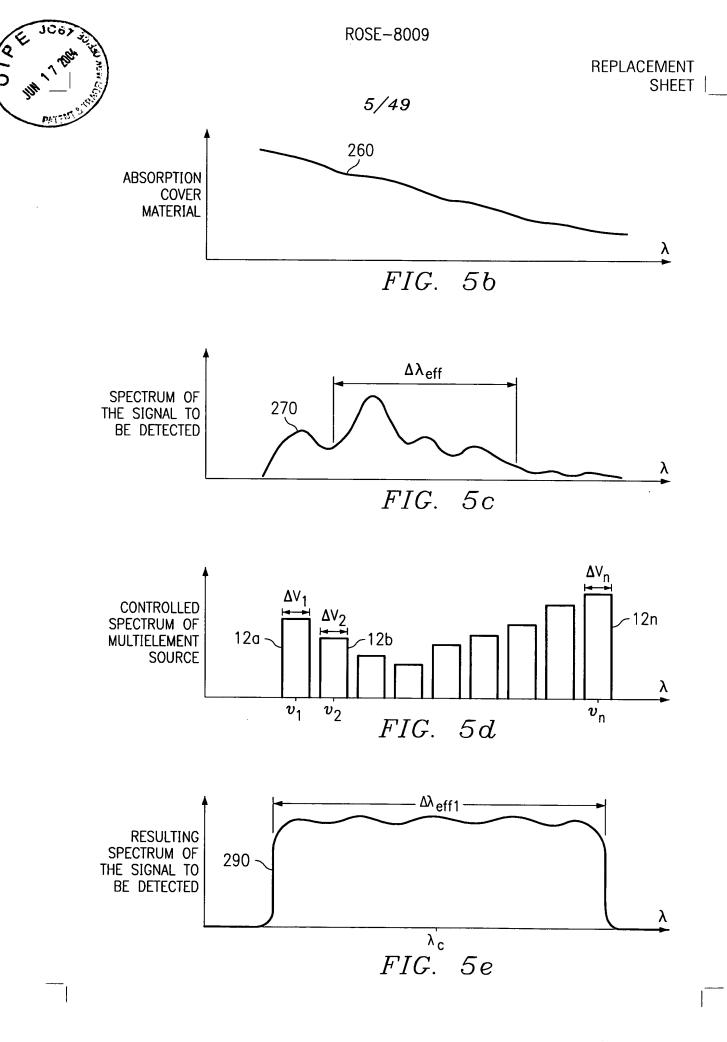


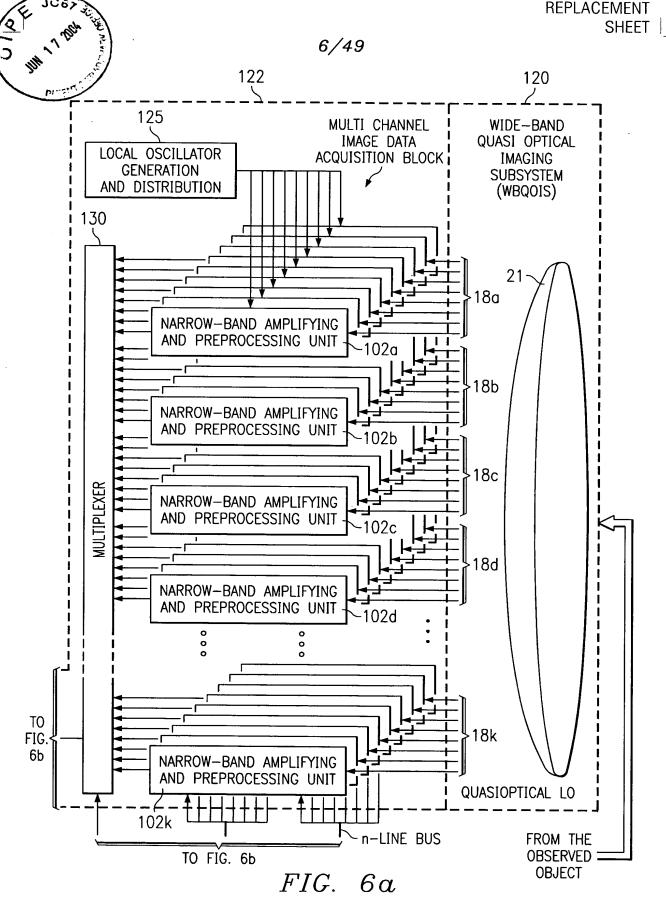


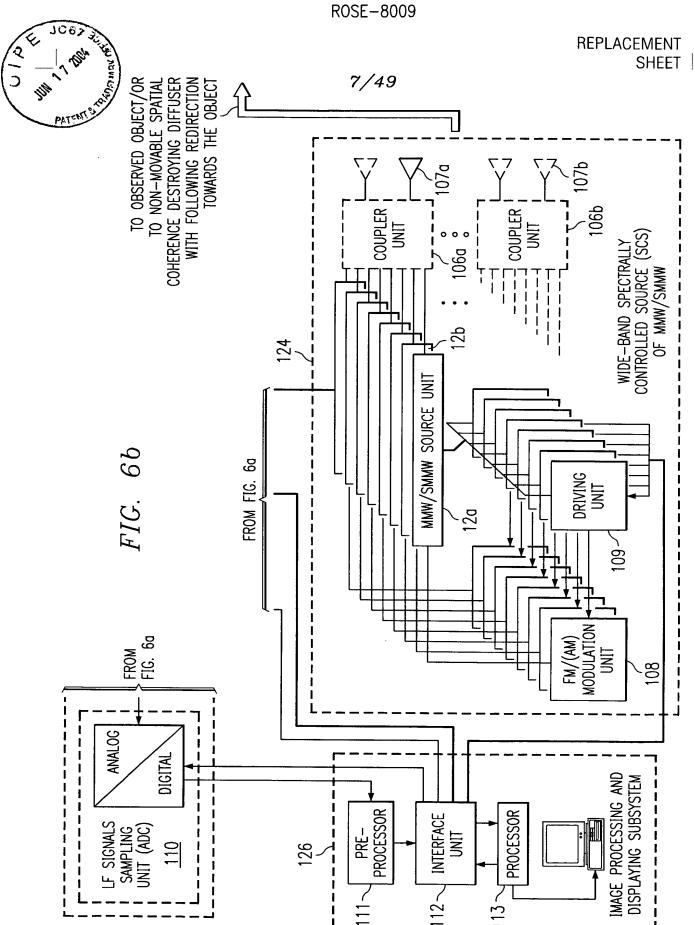


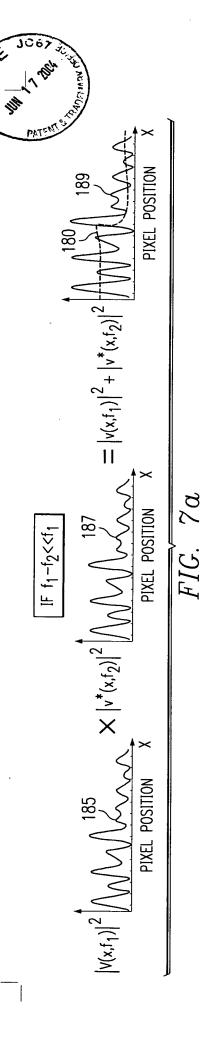












$$|\mathbf{v}(\mathbf{x},\mathbf{f}_1)|^2 \left| \int_{\mathbf{r}} \int_{\mathbf{r}} \int_{\mathbf{r}} \int_{\mathbf{r}} \left| \int_{\mathbf{r}} \int_{\mathbf{r}}$$

FIG. 7b

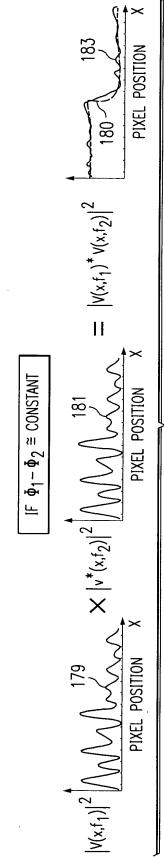
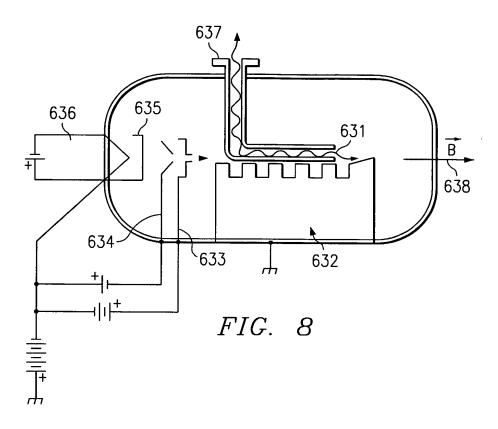
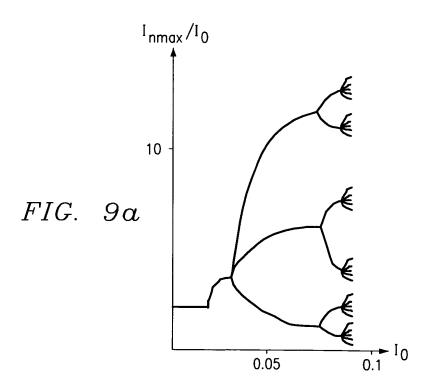


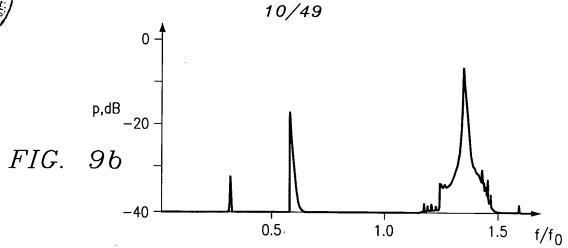
FIG. 7c

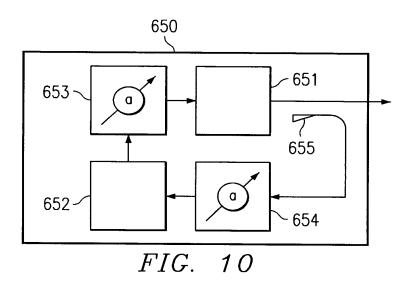


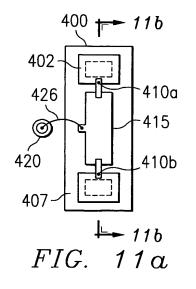












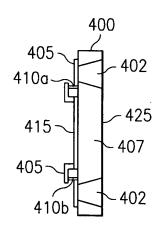


FIG. 11b



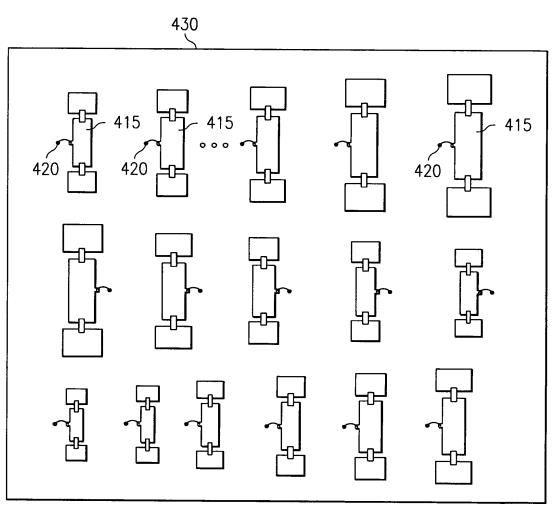
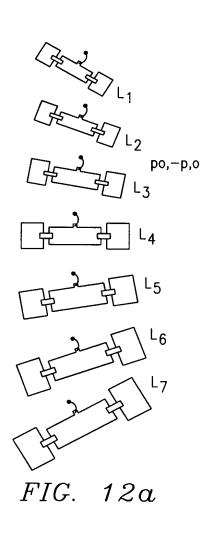
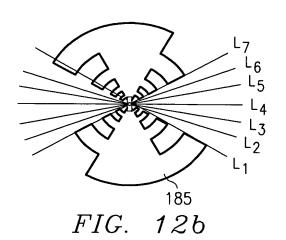
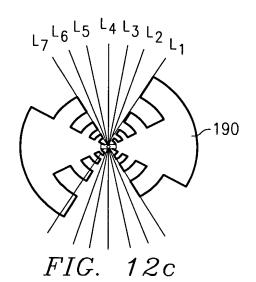


FIG. 11c

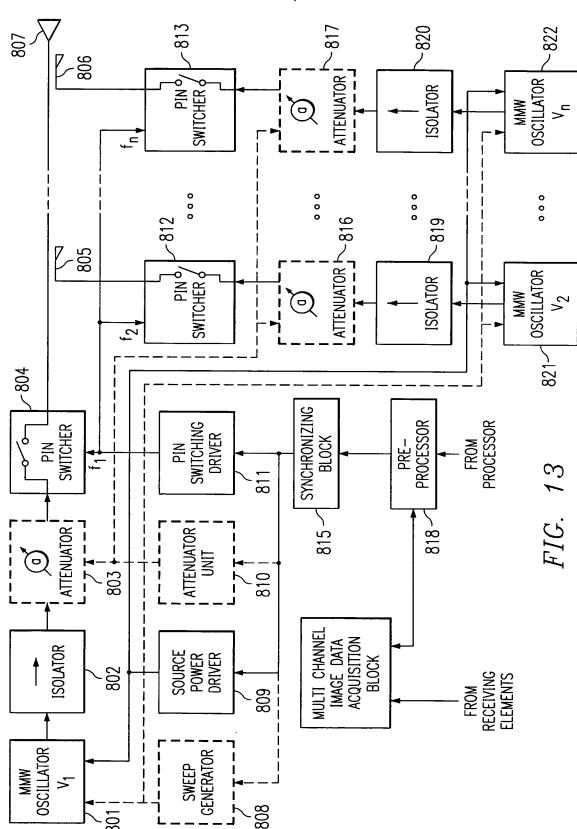




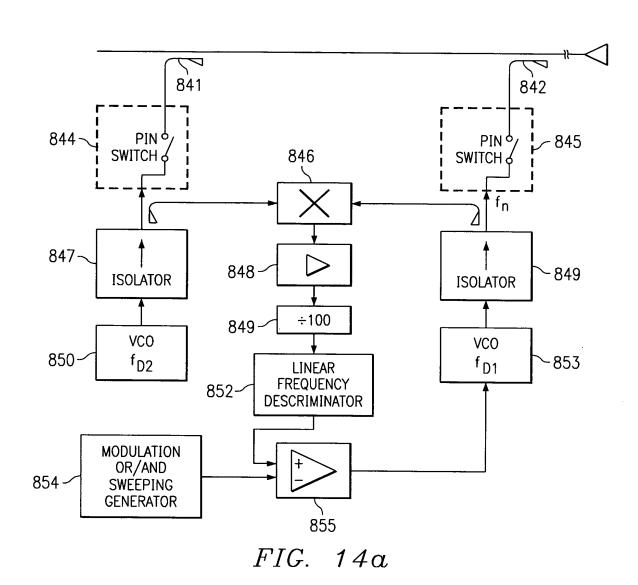
















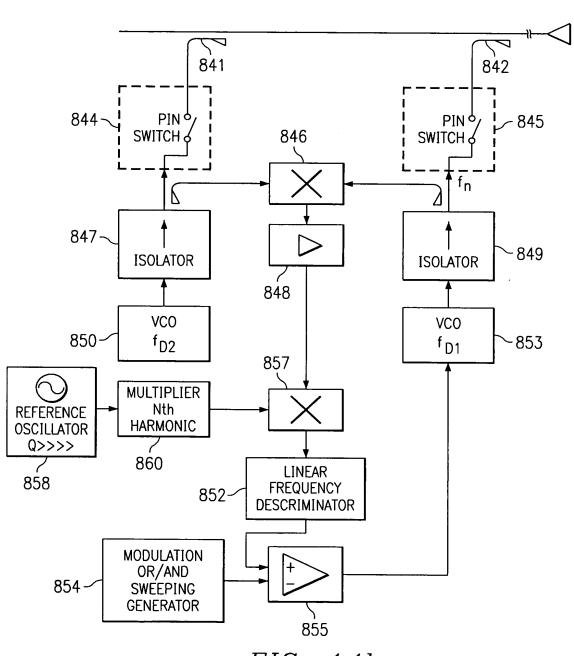
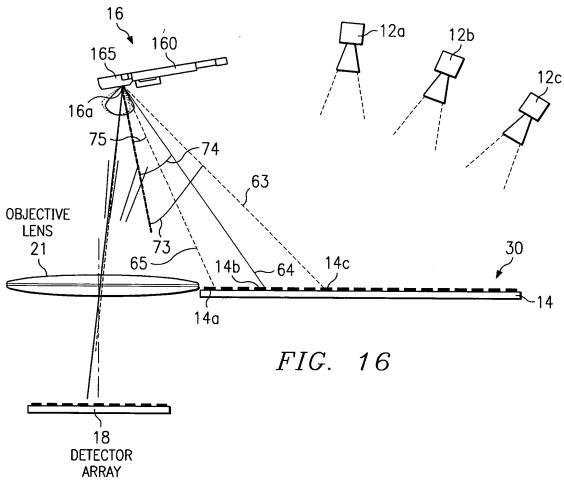
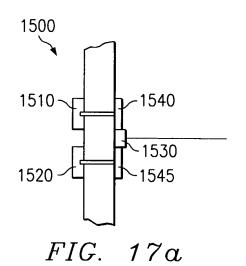


FIG. 14b



REPLACEMENT SHEET





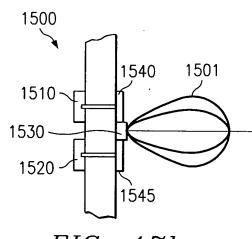
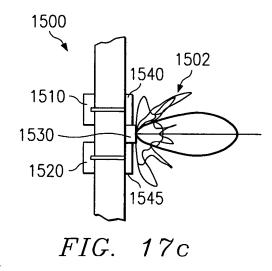
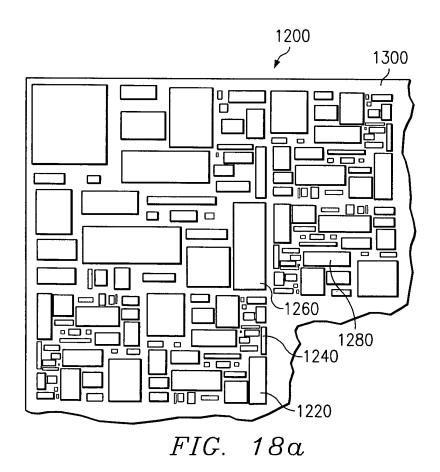


FIG. 17b

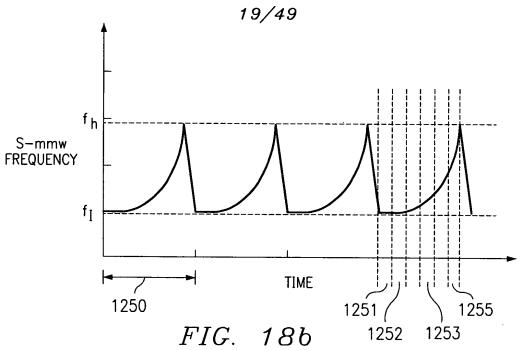












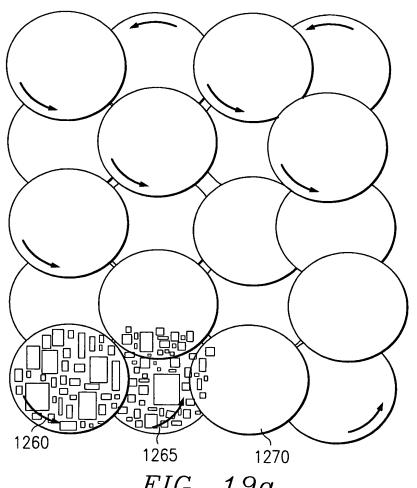
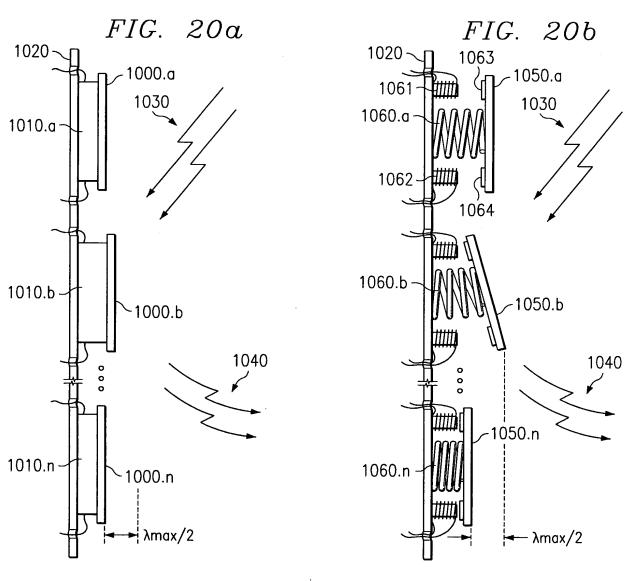
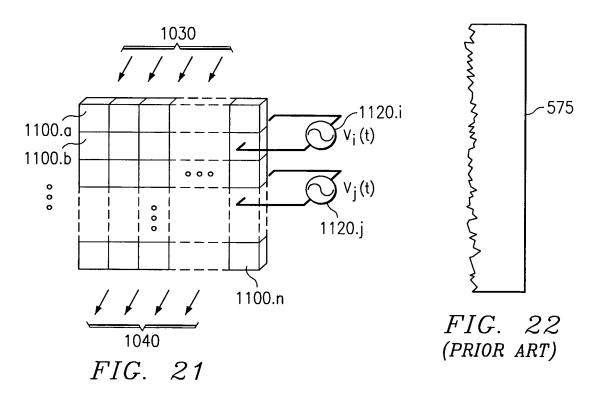


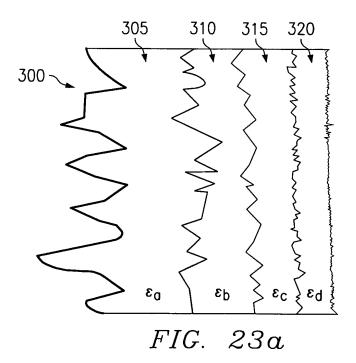
FIG. 19a



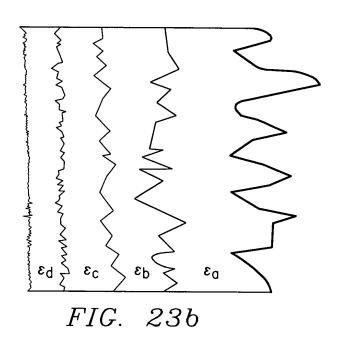


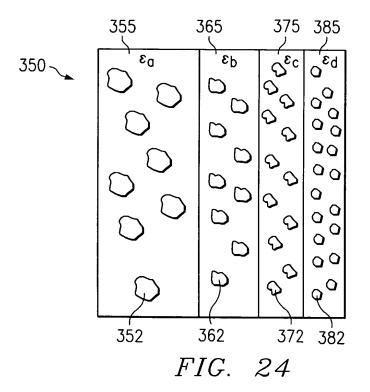
REPLACEMENT SHEET



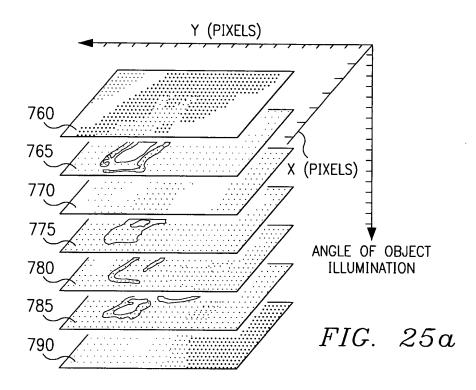












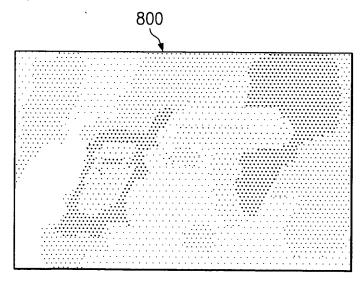
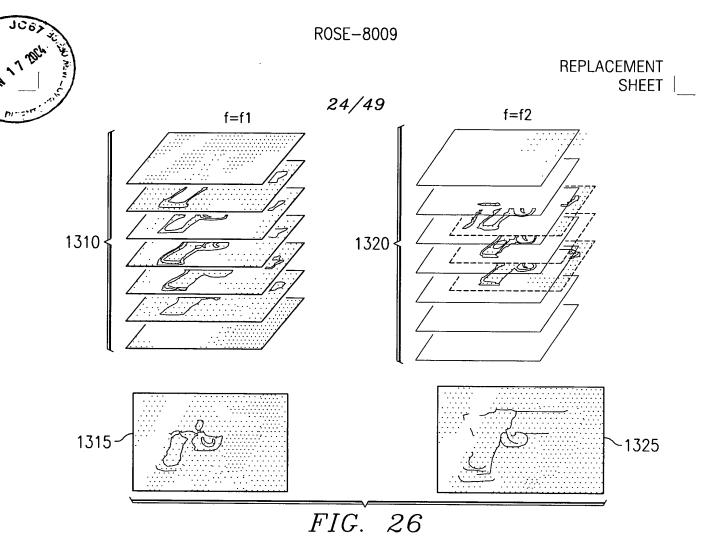
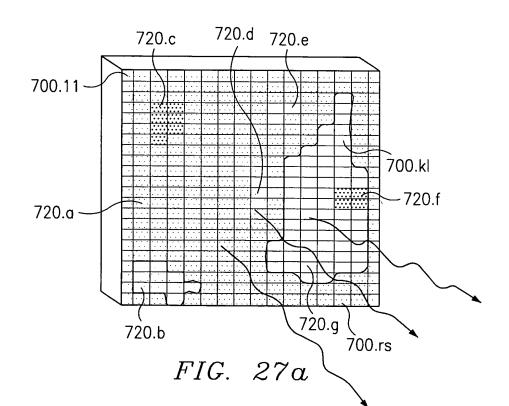
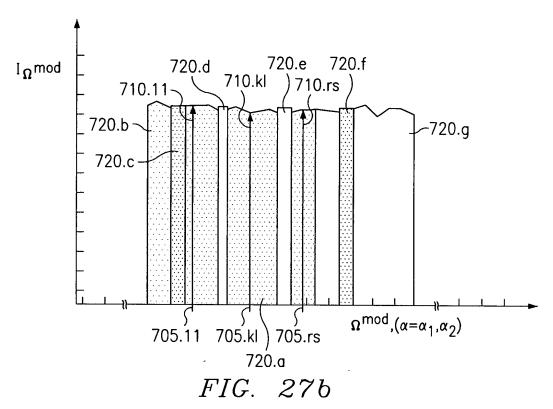


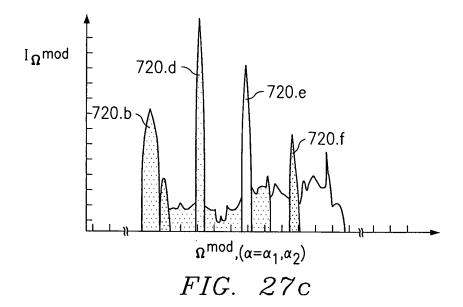
FIG. 25b



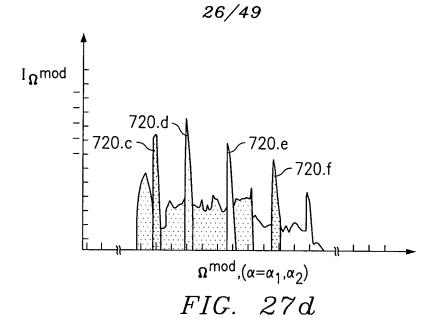


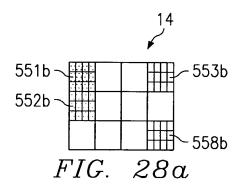


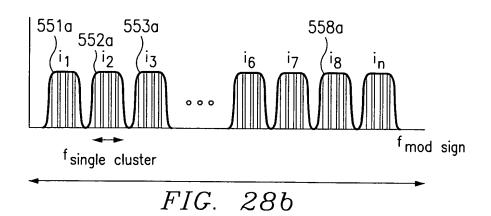




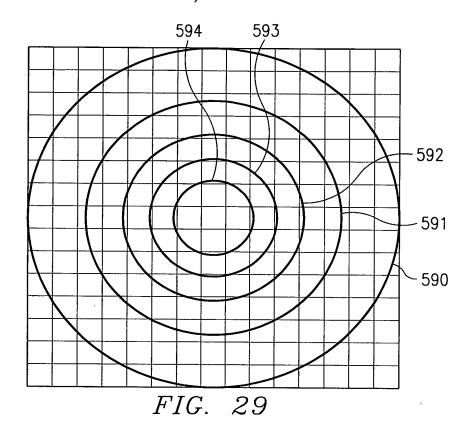


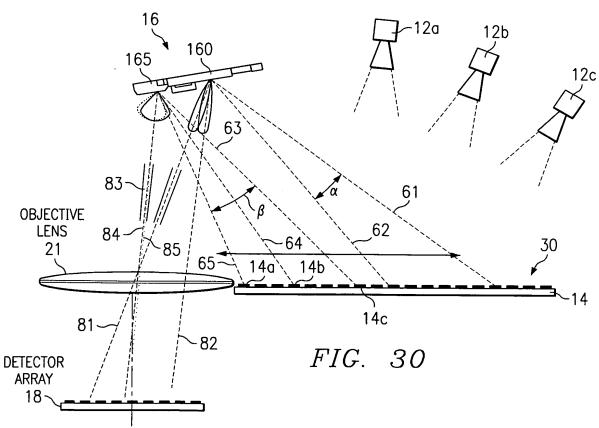


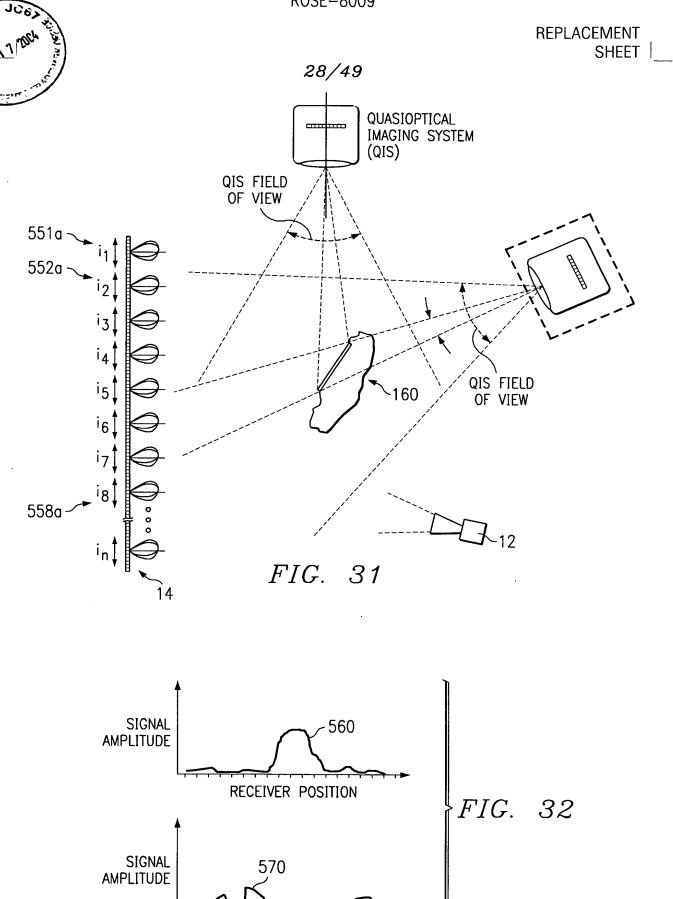






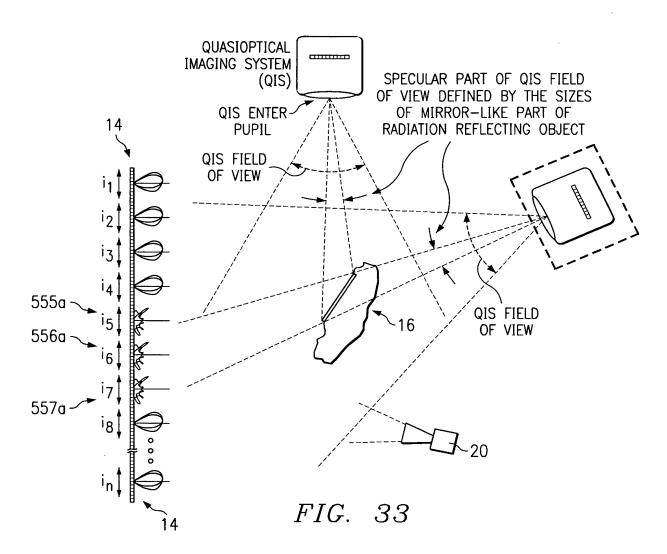






RECEIVER POSITION





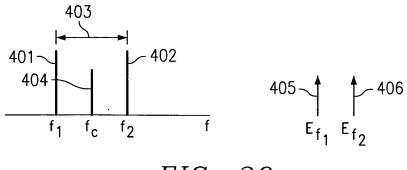
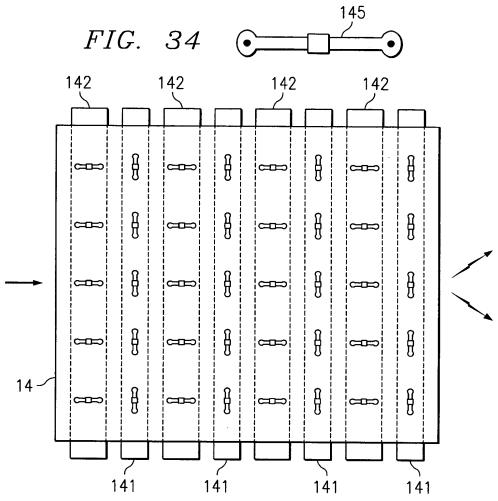
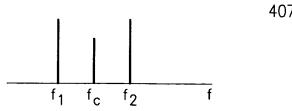


FIG. 36a







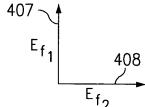
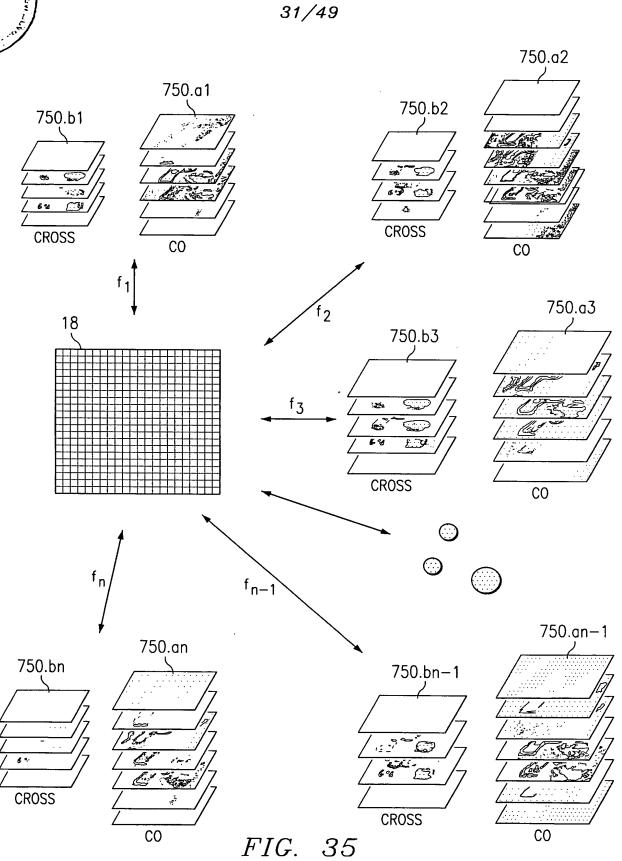


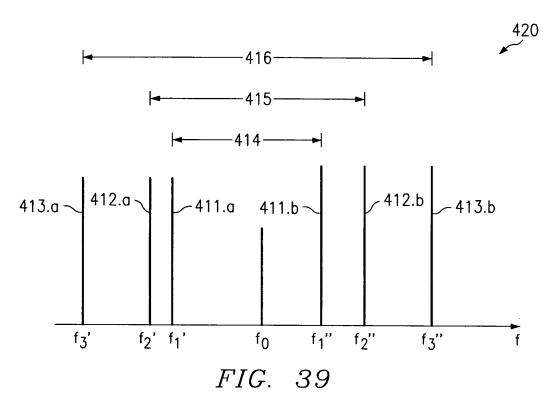
FIG. 36b

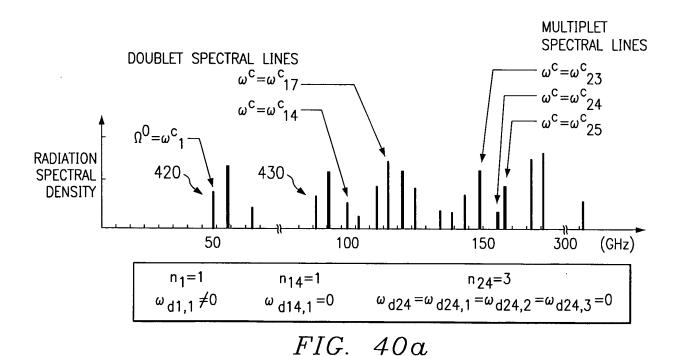


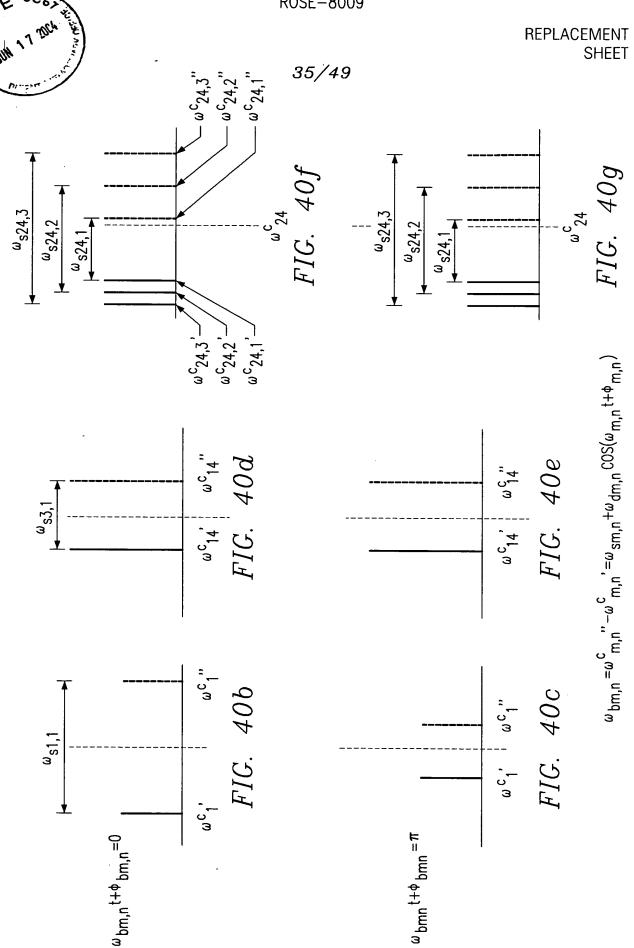


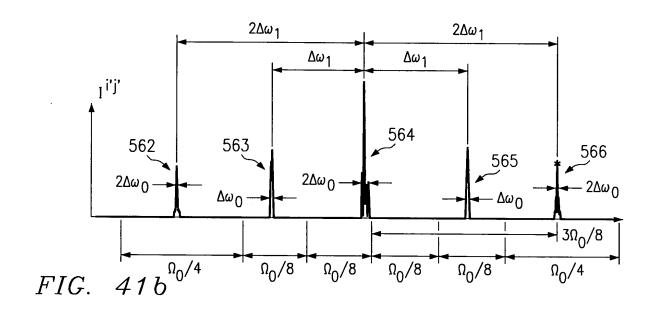


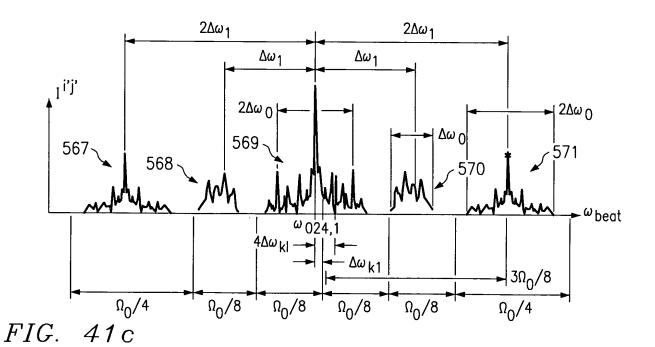
REPLACEMENT SHEET





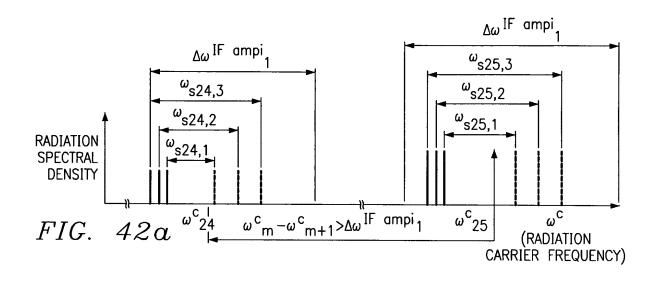


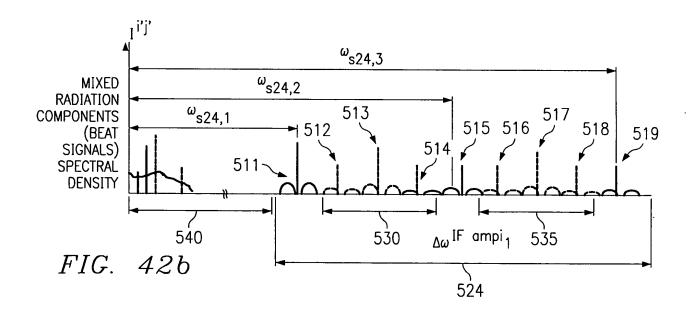


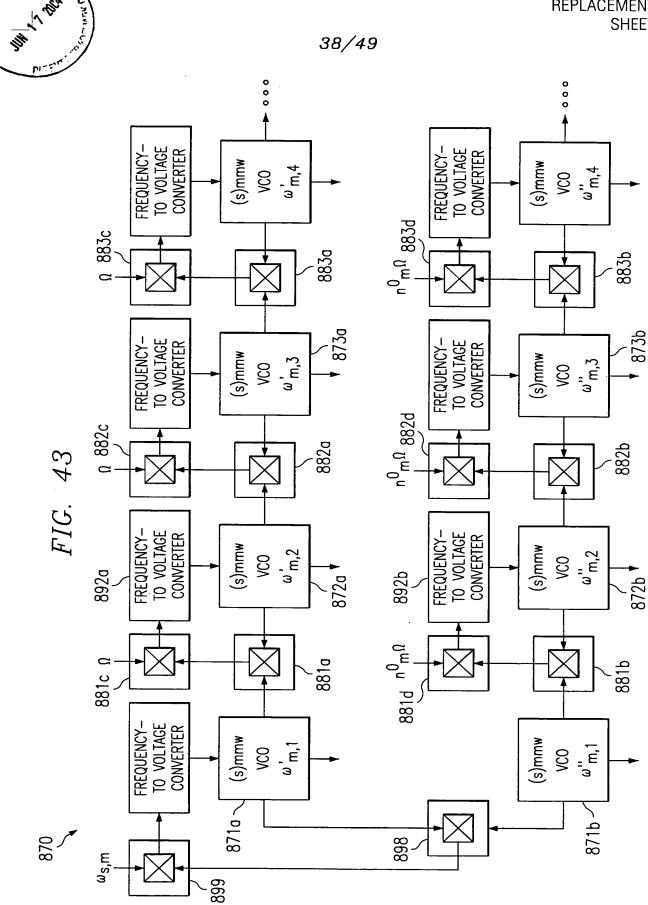




REPLACEMENT SHEET

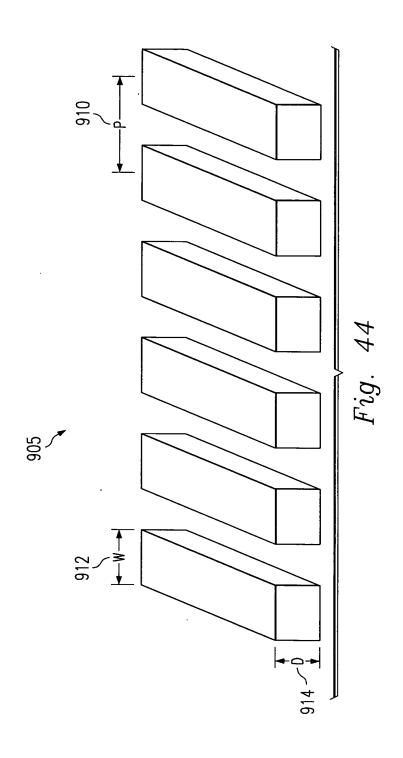


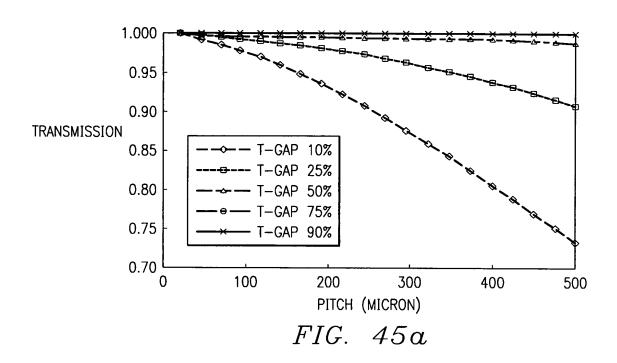


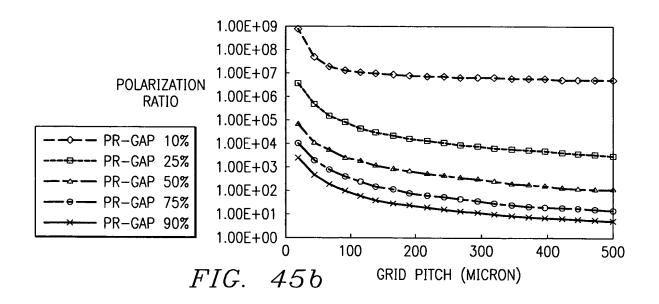




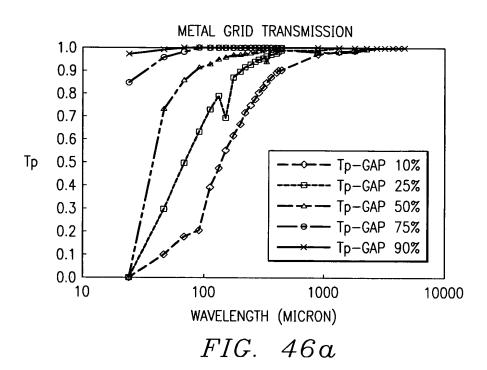


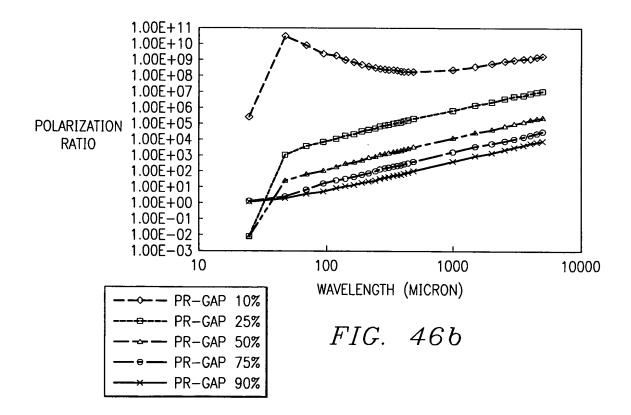




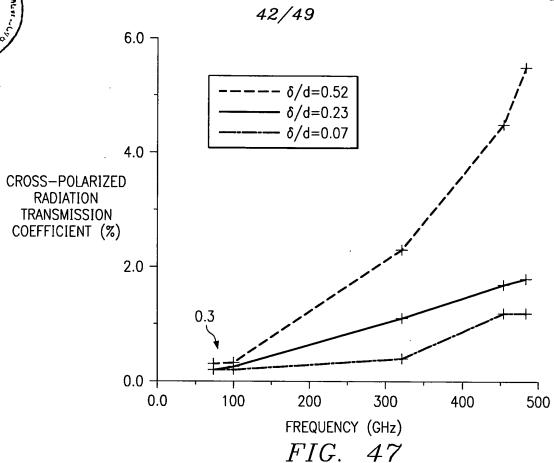


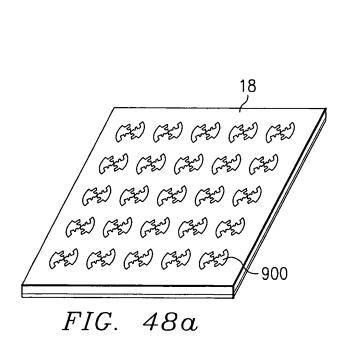


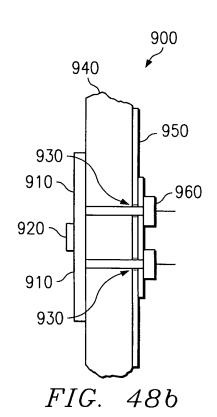


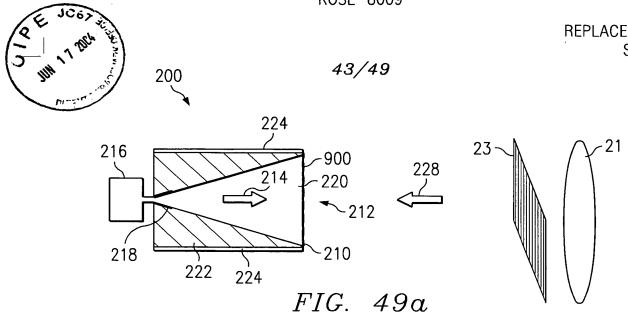


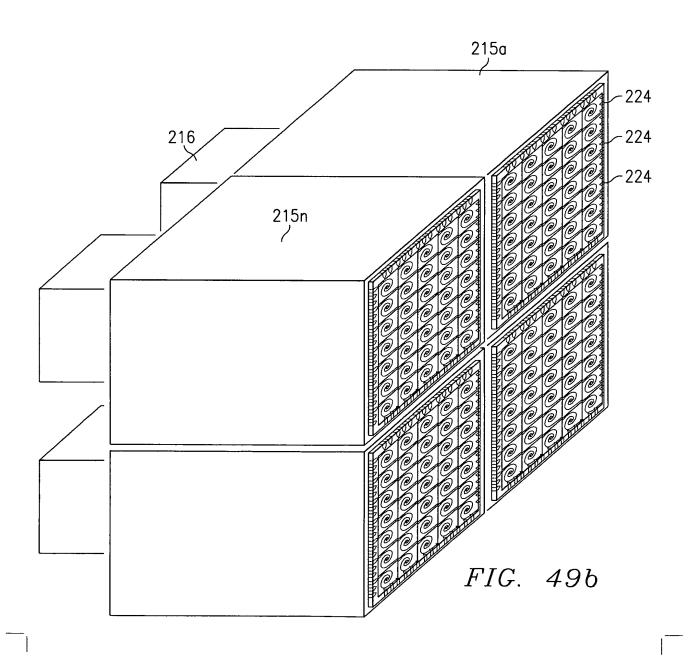






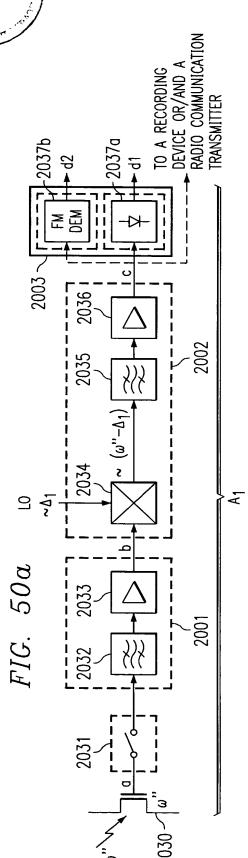


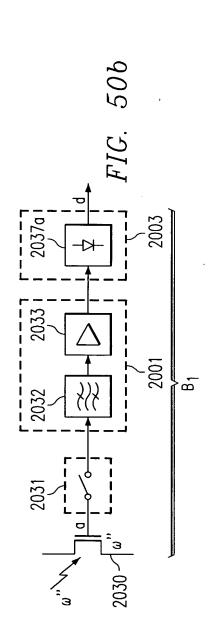




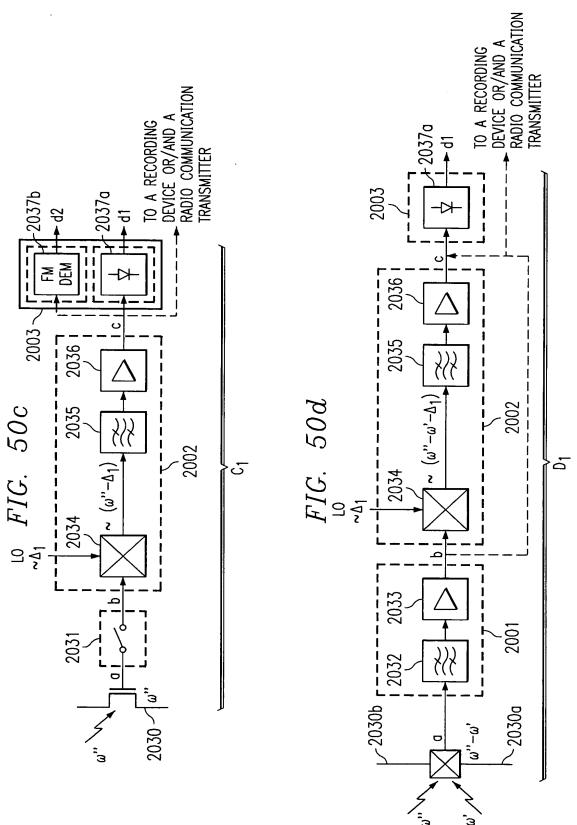






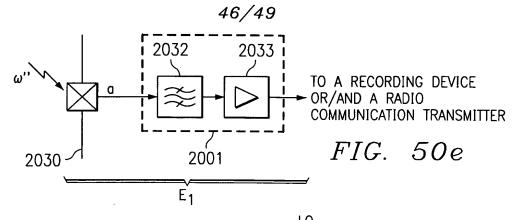


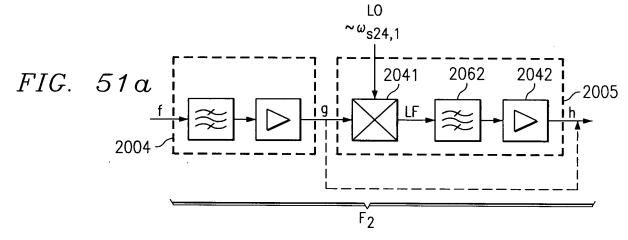


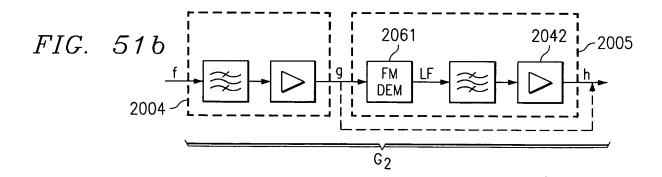


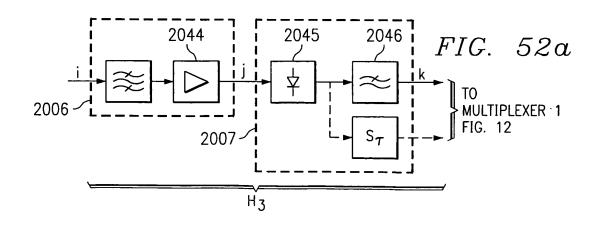


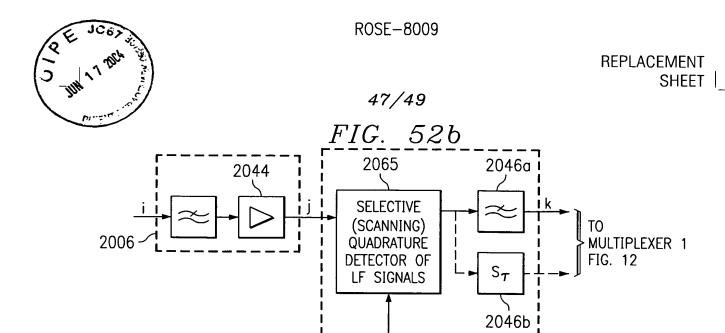
REPLACEMENT SHEET |

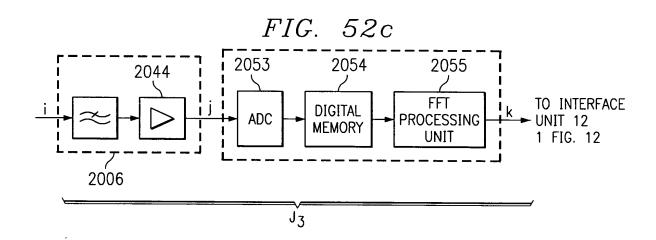






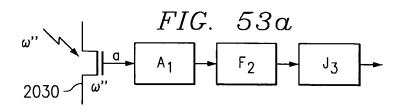


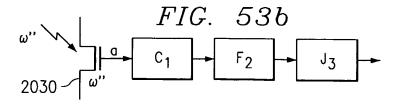




 $\Delta\omega_1^{\text{dif.el.}}$

ĺζ







REPLACEMENT SHEET ___

